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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/014,665	12/11/2001	Shaileshkumar Ramanlal Desai	033218-018	4860	
75	590 06/20/2003				
Allen R. Baum BURNS, DOANE, SWECKER & MATHIS, L.L.P. P. O. Box 1404 Alexandria, VA 22313-1404			EXAMINER		
			QAZI, SABIHA NAIM		
			ART UNIT	PAPER NUMBER	_
			1616	<i>Q</i>	
			DATE MAILED: 06/20/2003	"	

Please find below and/or attached an Office communication concerning this application or proceeding.

_		Application No.	Appli ant(s)			
,		10/014,665	DESAI ET AL.			
Office Action Summary		Examiner	Art Unit			
		Sabiha Naim Qazi	1616			
	The MAILING DATE of this communication					
Period fo	or Reply		•			
THE - Exte after - If the - If NC - Failu - Any	ORTENED STATUTORY PERIOD FOR F MAILING DATE OF THIS COMMUNICAT nsions of time may be available under the provisions of 37 C SIX (6) MONTHS from the mailing date of this communicati e period for reply specified above is less than thirty (30) days o period for reply is specified above, the maximum statutory are to reply within the set or extended period for reply will, by reply received by the Office later than three months after the ed patent term adjustment. See 37 CFR 1.704(b).	ON. FR 1.136(a). In no event, however, may a reply be on. , a reply within the statutory minimum of thirty (30) period will apply and will expire SIX (6) MONTHS firstatute, cause the application to become ABANDO	days will be considered timely. Tom the mailing date of this communication. ONED (35 U.S.C. § 133).			
1)[🛛	Responsive to communication(s) filed or	n <u>03 January 2003</u> .				
2a) □	This action is FINAL . 2b)⊠	This action is non-final.				
3)□ Disposit	Since this application is in condition for a closed in accordance with the practice usion of Claims					
4)⊠	Claim(s) 1-20 and 22-32 is/are pending i	n the application.				
	4a) Of the above claim(s) <u>22-32</u> is/are withdrawn from consideration.					
5)□	5) Claim(s) is/are allowed.					
6)⊠	6)⊠ Claim(s) <u>1-20</u> is/are rejected.					
7)	Claim(s) is/are objected to.					
8)⊠	Claim(s) 22-32 are subject to restriction a	nd/or election requirement.				
Applicati	ion Papers					
9) 🗌	The specification is objected to by the Exa	miner.				
10) 🗌	The drawing(s) filed on is/are: a)	accepted or b) objected to by the E	xaminer.			
	Applicant may not request that any objection	to the drawing(s) be held in abeyance.	See 37 CFR 1.85(a).			
11) 🗌	The proposed drawing correction filed on $_$	is: a)∏ approved b)∏ disap _l	proved by the Examiner.			
	If approved, corrected drawings are required	in reply to this Office action.				
12) 🗌 🤄	The oath or declaration is objected to by th	e Examiner.				
Priority (ınder 35 U.S.C. §§ 119 and 120					
13)	Acknowledgment is made of a claim for fo	oreign priority under 35 U.S.C. § 119	9(a)-(d) or (f).			
a)[a) ☐ All b) ☐ Some * c) ☐ None of:					
	1. Certified copies of the priority documents	ments have been received.				
	2. Certified copies of the priority documents have been received in Application No					
* 5	3. Copies of the certified copies of the application from the Internation see the attached detailed Office action for	al Bureau (PCT Rule 17.2(a)).	· ·			
14) 🗌 A	cknowledgment is made of a claim for dor	mestic priority under 35 U.S.C. § 11	9(e) (to a provisional application).			
) ☐ The translation of the foreign languag Acknowledgment is made of a claim for do	· · · · · · · · · · · · · · · · · · ·				
Attachment	:(s)					
2) Notice	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-94) nation Disclosure Statement(s) (PTO-1449) Paper No	3) S) Notice of Inform	ary (PTO-413) Paper No(s) al Patent Application (PTO-152)			
J.S. Patent and Tr PTO-326 (Re		ce Action Summary	Part of Paper No. 9			

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Acknowledgement is made of the response filed in paper no. 7. Amendments are entered. Claims 1-20 and 22-32 are pending. Finality of the rejection mailed in paper No. 8 is withdrawn.

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

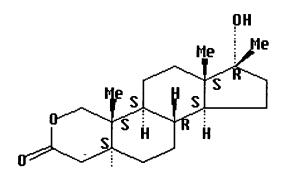
Rejection under 103 (a) is maintained for the following reasons; others are withdrawn because claims are amended. New action is as follows.

Claim Rejections - 35 USC § 103

Claims 1-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Pappo et al. (US Patent 3,128,283). See the entire document especially examples. Presently claimed invention is drawn to method of making oxandrolone.

Registry # 26624-15-7

CN 2-Oxa-5.alpha.-androstan-3-one, 17.alpha.-hydroxy-17-methyl



Oxandrolone

1. Determining the scope and contents of the prior art.

Prior art teaches synthesis of 17-Hydroxy, 17-methyl-2-oxa androstan-3-one, see examples 5,6, 8, 9 and 10. Pappo et al. teach preparation of structurally similar 2-oxa androstan-3-ones, which embraces applicant's claimed invention. Compound 17beta -Hydroxy, 17alpha -methyl-5alpha androstan-3-one mestanolone is oxidized by osmium tetra oxide with lead tetra acetate in acidic condition. Sodium borohydrate is used to reduce 1-oxo derivatives.

2. Ascertaining the differences between the prior art and the claims at issue.

Presently claimed invention differ from the reference in claiming a broader synthetic method for preparing oxandrolone by not defining any conditions and reagents for hydroxylation, reduction etc. See independent claims 1 and 6. In claim 20 only oxidation of mestanolone using IBX (o-iodo benzoic acid) in step (a) is described; reagent and conditions are not specific in other steps.

3. Resolving the level of ordinary skill in the pertinent art.

Since the prior teaches all the steps and reagents for the preparation of oxandrolone art one skilled in the art would be motivated to prepare additional

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oxandrolone by using the reagents and method available at the time of invention by using lead tetra acetate, Osmium teraoxide and other reagents a in the present claim steps a, b, c and d.

4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

It would have been obvious to one skilled in the art to prepare oxandrolone by any method taught by the prior art as no specific method for preparation is claimed in these claims. Therefore, any method would be a prior art for claims 1-20.

Claim 20 differs from claim 6 in mestanolone oxidation by IBX. Since it has not been establish any advantage or criticality of using IBX in first step, use of any oxidizing agent for oxidation of mestanolone would have obvious at the time of invention.

Claims 1-5 and 15-17 and 19 were said to be allowable because of applicant's disclosure that this method gives good yield of oxandrolone as compared to prior art method. However, since no data has been provided, the said claims are now rejected on the same basis as all other claims for the reasons cited above

No unexpected results are seen. No claim is allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sabiha Naim Qazi whose telephone

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number is 703-305-3910. The fax phone numbers for the organization where this application or proceeding is assigned are 703-308-4556 for regular communications and 703-308-4556 for After Final communications. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1235.

BIHA QAZI, PH.D PRIMARY EXAMINER

June 17, 2003